Index of Claims

10/653,212
Examiner
Ha D. Ho

Applicant(s)

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And Example Applicant(s)

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| / | Rejected |   | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |  |  |  |
|---|----------|---|--------------------------------|---|--------------|---|----------|--|--|--|
| = | Allowed  | + | Restricted                     | - | Interference | 0 | Objected |  |  |  |

| Claim       |          | Date         |  |          |          |          |                   |          | Claim    |            |  | Da       | Date   |         |               |         | CI              | aim        | Date |       |            |            |          |          |          |          |          |          |          |          |
|-------------|----------|--------------|--|----------|----------|----------|-------------------|----------|----------|------------|--|----------|--|---------|---------------|---------|-----------------|------------|------|-------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|
|             | -E       |              |  |          |          |          |                   |          | Т        | 7          |  | al       |  |         |               |         |                 |            |      |       | al         |            |          |          | T        |          |          |          | Т        |          |
| Final       | Original | 1/5/05       |  |          |          |          |                   | - 1      |          |            | Final  | Original |  |         |               |         |                 |            |      | Final | Original   |            |          | - 1      |          | - 1      |          |          |          |          |
| iĒ          | ١Ĕ       | \$           |  |          |          |          |                   |          |          |            | 证  | Ę        |  |         |               |         |                 |            |      | ίΞ    | Öriç       |            |          |          |          | - 1      |          |          |          | - 1      |
|             |          |              | Li   |          |          |          |                   | _ _      |          |            |  |          |  |         |               |         |                 | Ш          |      |       |            |            | $\perp$  | $\perp$  | _        | _        |          |          |          |          |
|             | 1        | 1            | Ш  | _        |          |          | Ш                 |          | $\perp$  | _          |  | 51       |  | $\perp$ |               |         | ot              | Ш          |      |       | 101        |            | $\perp$  | _        | _        | _        | _        |          | _        | _        |
|             | 2        | 0            | Ш  |          |          |          | $\Box$            | _        |          | _          |  | 52       |  | $\bot$  |               | _       |                 | Ш          |      |       | 102        | _          | _        | $\perp$  | 4        | $\dashv$ | _        | 4        | 4        | _        |
|             | _3       | 0            |  |          |          |          |                   | _        | _        | _          |  | 53       |  | 4-1     | _             | 4       |                 | Ш          | 1    |       | 103        |            | $\dashv$ | $\dashv$ | 4        | _        | _        | 4        | _        |          |
|             | 4        | 0            | $\sqcup$   | 4        |          |          |                   | _        | _        | 4          |  | 54       | 1  | 1 1     | -             | —       | oxdot           | Ш          |      |       | 104        |            | 4        | $\dashv$ | 4        | _        | _        | 4        |          |          |
|             | 5        | 0            | $\vdash$   | _        |          |          | $\vdash$          | -        | _        | 4:::       |  | 55       |  | 4-1     |               | +       |                 | Ш          |      |       | 105        | $\dashv$   | $\dashv$ | $\dashv$ | -        | _        | $\dashv$ | 4        |          | _        |
|             | 6        | 0            | $\vdash$   | 4        | $\vdash$ |          |                   | $\dashv$ | _        | -          | <u> </u>   | 56       |  |         |               | -       |                 |            |      |       | 106<br>107 |            | +        | +        | -+       | $\dashv$ |          | -        | $\dashv$ |          |
| <u> </u>    | 7        | 0            | $\vdash$   | -        | $\dashv$ |          |                   | $\dashv$ |          | -          |  | 57       |  |         | $\dashv$      | +       |                 | Н          | -    |       |            |            | +        | +        | -        | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 8        | 00           | $\vdash$   | _        |          | _        |                   |          |          | -          | -  | 58<br>59 |  | +       | -             | +       |                 |            | -    |       | 108<br>109 | $\dashv$   | +        | +        | -        | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 10       | 8            | ⊢  | -        | $\dashv$ |          | -                 |          | -        | $\dashv$   |  | 60       | $\vdash$   | +       | $\dashv$      | ╅       | <del></del>     | H          | -    |       | 110        | $\dashv$   | +        | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | _        |
|             | 11       | √            | ⊢┤   | ᅱ        | $\vdash$ |          | +                 | $\dashv$ |          | $\dashv$   | -  | 61       | $\vdash$   | +       | $\dashv$      | +       | $\vdash\vdash$  |            |      |       | 111        | $\dashv$   | +        | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|             | 12       | V            |  |          |          |          | $\vdash$          | +        | +        | -          |  | 62       | <del>   -</del>                                  | +       |               | +-      | $\vdash\vdash$  | H          | :: - |       | 112        | $\dashv$   | $\dashv$ | +        | +        | -+       |          | $\dashv$ | $\dashv$ |          |
|             | 13       | √            | $\vdash$   | -        | $\vdash$ |          | $\dashv$          | $\dashv$ | +        | -          | <u> </u>   | 63       |  | +-      | $\dashv$      |         | $\vdash \vdash$ | H          | ŀ    |       | 113        | -          | $\dashv$ | $\dashv$ | +        | -        |          |          | -+       | -        |
| <u> </u>    | 14       | √            | $\vdash \vdash$                                  | $\dashv$ | $\vdash$ |          | $\vdash$          | $\dashv$ | $\dashv$ | -          | <del></del>                                      | 64       | <del>                                     </del> | +-+     | +             | +       | $\vdash \vdash$ | H          | 1    |       | 114        | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -+       | -+       | -        |
|             | 15       | V            | $\vdash$   | -        | $\vdash$ |          | $\vdash \vdash$   | $\dashv$ | $\dashv$ | $\dashv =$ |  | 65       | $\vdash$   | +       | +             | +       | $\vdash$        | H          | 1    |       | 115        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | 一        | $\dashv$ |
|             | 16       | =            | $\vdash$   | $\dashv$ |          |          | $\vdash$          | $\dashv$ | $\dashv$ | -          |  | 66       | $\vdash$   | +       | $\dashv$      | +       | $\vdash$        | -          |      |       | 116        | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | 一        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 17       | 1            | $\forall$  | -        |          |          | $\dashv$          | -        | $\dashv$ | -          |  | 67       | $\vdash$   | +       | +             |         |                 | -          | H    |       | 117        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 18       | Ť            | $\vdash$   | $\dashv$ | $\vdash$ |          | -                 | $\dashv$ | $\top$   |            |  | 68       |  | +       | $\dashv$      | +       |                 | Н          | -    |       | 118        | $\vdash$   | +        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | _        |
|             | 19       | -            | <del>                                     </del> |          |          |          | $\vdash$          | +        | $\top$   | -          |  | 69       | $\vdash$   | $\top$  | $\neg$        | +       | i               | Н          | 1    |       | 119        |            | +        | _        | _        | _        | 一        | _        | 1        | 一        |
|             | 20       |              | $\Box$   |          |          |          | $\vdash$          | 十        | _        |            |  | 70       |  | $\top$  | $\top$        |         |                 |            |      |       | 120        |            | $\dashv$ | _        | 7        |          | _        |          | 寸        |          |
|             | 21       |              | H  |          |          |          |                   | $\neg$   | $\dashv$ |            |  | 71       |  | $\Box$  | $\neg$        | $\top$  |                 |            |      |       | 121        |            |          | 寸        | 1        |          |          | $\neg$   | 寸        |          |
|             | 22       | t            | H  |          |          |          |                   | $\dashv$ | $\dashv$ |            |  | 72       |  | $\Box$  |               |         |                 |            |      |       | 122        |            | $\neg$   | $\dashv$ | 寸        |          | $\neg$   | ヿ        | 寸        |          |
|             | 23       |              | $\Box$   |          |          |          |                   |          |          |            |  | 73       |  |         |               |         |                 |            |      |       | 123        |            |          |          | $\neg$   |          |          | $\neg$   | $\neg$   | $\neg$   |
|             | 24       |              | П  |          |          |          |                   | ┪        |          |            |  | 74       |  | $\Box$  | $\neg$        | $\top$  |                 |            |      |       | 124        |            | $\neg$   | $\neg$   | $\neg$   |          |          |          | $\neg$   | $\neg$   |
|             | 25       |              | П  |          |          |          |                   |          |          |            |  | 75       |  |         |               |         |                 |            |      |       | 125        |            |          |          |          |          |          |          |          |          |
|             | 26       |              |  |          |          |          |                   |          |          |            |  | 76       |  |         |               |         |                 |            |      |       | 126        |            |          |          |          | ,        |          |          |          |          |
|             | 27       |              |  |          |          |          |                   |          |          |            |  | 77       |  |         |               |         |                 |            |      |       | 127        |            |          |          |          |          |          |          |          |          |
|             | 28       |              |  |          |          |          |                   |          |          |            |  | 78       |  |         |               |         |                 |            | ::[  |       | 128        |            |          |          |          |          |          |          |          |          |
|             | 29       |              |  |          |          |          |                   |          |          |            |  | 79       |  |         |               |         |                 |            |      |       | 129        |            |          |          |          |          |          |          | $\perp$  |          |
|             | 30       |              |  |          |          |          |                   |          |          |            |  | 80       |  | Ш       |               | $\perp$ |                 |            |      |       | 130        |            |          |          | _        |          |          |          | _        | _        |
|             | 31       |              | Ш  |          |          |          | Ш                 | $\perp$  | _ _      | _          |  | 81       |  | 1       | _             |         |                 | Ш          |      |       | 131_       |            | _        | $\perp$  | _        |          | _        | $\dashv$ | _        |          |
|             | 32       | <u> </u>     | $\sqcup$   | _        |          |          | $\sqcup$          | _        | 4        | 4          |  | 82       | $oxed{oxed}$                                     | 4-4     |               | _       |                 | Ш          |      |       | 132        | $\sqcup$   |          | _        | _        |          | _        | _        | 4        | _        |
| <u> </u>    | 33       | <u> </u>     | $\sqcup$   | _        |          |          | $\vdash$          | _        | $\perp$  | 4          | <u> </u>   | 83       | <u> </u>   | 4-4     | _             | +       | $\vdash \vdash$ | $\square$  |      |       | 133        | $\sqcup$   | _        | -        | _        | _        | _        | $\dashv$ | 4        |          |
| -           | 34       | <u> </u>     | $\sqcup$   | _        | $\sqcup$ |          | $\vdash$          | $\dashv$ | +        | 4:::       |  | 84       | $\vdash \vdash$                                  | +       | +             | +       |                 | Щ          |      |       | 134        | $\sqcup$   | _        | -        | 4        | _        |          |          |          |          |
| <u> </u>    | 35       | ├_           | $\vdash$   | _        |          |          | $\vdash$          |          | +        | - :::      |  | 85       | -  | +       | +             | +-      | $\vdash \vdash$ |            |      |       | 135        | $\dashv$   | $\dashv$ | -        | $\dashv$ |          | _        |          |          | _        |
|             | 36       |              | $\vdash \vdash$                                  | _        | $\vdash$ |          | $\dashv$          | -        |          | - :::      |  | 86       |  | +       |               | +-      | - -             |            | -    |       | 136        | $\dashv$   | -        |          | -        | -        |          | -        | -+       |          |
| <del></del> | 37       | <del> </del> | ┝  |          | $\vdash$ | $\dashv$ | -                 | -+       |          | - :::      |  | 87       |  | +       | +             | +-      |                 |            | 1    |       | 137        | $\dashv$   |          | -        | -        | -        | -        |          | $\dashv$ | _        |
| $\vdash$    | 38       | $\vdash$     | $\vdash \vdash$                                  | 4        | $\vdash$ | $\dashv$ | $\dashv$          | $\dashv$ | -        | -          | <u> </u>   | 88<br>89 | $\vdash\vdash$                                   | +       |               |         | $\vdash \vdash$ |            |      |       | 138        | $\vdash$   | +        | +        | $\dashv$ |          | -        | -+       | $\dashv$ | _        |
|             | 39<br>40 | -            | $\vdash \vdash$                                  | $\dashv$ |          |          | $\vdash$          | $\dashv$ |          | -          |  | 90       |  |         | -             | +-      |                 |            | 1    |       | 139<br>140 | $\vdash$   | +        | +        | $\dashv$ |          | $\dashv$ | -+       | $\dashv$ | $\dashv$ |
|             | 41       | $\vdash$     | ┝┤   | $\dashv$ | $\vdash$ |          |                   | $\dashv$ |          | -          | <del> </del>                                     | 91       | -+-  | +-      | -             | +-      | ├               |            | ::   |       | 141        | $\dashv$   | +        | +        | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | -        |
|             | 41       | $\vdash$     | $\vdash \vdash$                                  | $\dashv$ |          | $\vdash$ | -                 | $\dashv$ | $\dashv$ | -          | -  | 92       |  | +       | +             | +       | $\vdash \vdash$ | -          | -    |       | 141        | -+         | +        | +        | $\dashv$ | $\dashv$ |          | $\dashv$ | +        | -        |
|             | 43       | $\vdash$     | $\vdash$   | -        |          |          | $\vdash$          | -        | +        | -          | $\vdash$   | 93       |  | +-      | $\dashv$      | +-      | $\vdash$        | <u> </u>   | H    |       | 143        | +          | +        | +        | -+       | -        |          | $\dashv$ | $\dashv$ | $\dashv$ |
|             | 44       | $\vdash$     | $\vdash \vdash$                                  | $\dashv$ |          | $\vdash$ | $\vdash \vdash$   | $\dashv$ | $\dashv$ | $\dashv$   | <del>                                     </del> | 94       | $\vdash +$                                       | +       | -             | +       | ├-              | -          | ÷    |       | 144        | $\vdash$   | +        | +        | +        | -+       | -        | $\dashv$ | $\dashv$ |          |
|             | 45       | _            | -  | -        | $\dashv$ | Н        | -                 | 十        | +        | -          | $\vdash$   | 95       | +  | +       |               | +       | $\vdash$        |            | ŀ    |       | 145        | -          | +        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | -+       | $\dashv$ | _        |
|             | 46       | _            | $\vdash$   | $\dashv$ |          |          | $\vdash \uparrow$ | $\dashv$ | $\dashv$ | -          | <b>—</b>   | 96       | -  | +       | _             | +       | $\vdash\vdash$  |            | H    |       | 146        | $\vdash$   | $\dashv$ | +        | $\dashv$ | $\dashv$ | ┰        | 7        | $\dashv$ | $\neg$   |
|             | 47       | $\vdash$     |  | $\dashv$ |          | Н        | $\vdash$          | 十        | $\dashv$ | 1          | <b></b>  | 97       |  | +       | _             | $\top$  | $\vdash \vdash$ | -          | ı    |       | 147        | $\dashv$   | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|             | 48       | $\vdash$     | $\vdash$   | $\dashv$ | $\dashv$ |          | $\vdash$          | $\dashv$ | +        | 1          |  | 98       | $\vdash$   | +       | $\neg \vdash$ | +       | $\vdash$        | -          | H    |       | 148        | $\vdash +$ | +        | 十        | +        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$   |
|             | 49       |              | $\Box$   |          |          |          | $\vdash$          | $\top$   | $\dashv$ | 7          |  | 99       |  | 11      | _             | $\top$  |                 |            | 1    |       | 149        | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | -+       | 一        | 7        | 一        |          |
|             | 50       |              | $\vdash$   | $\neg$   |          |          |                   | T        | $\top$   | 7:::       |  | 100      |  | +=      |               | $\top$  | $\vdash$        |            | ÷    |       | 150        | $\dashv$   | +        | $\dashv$ | +        | -+       | 一        | 7        | $\dashv$ |          |
|             |          |              |  | _        |          |          |                   |          |          |            | <b>—</b>   |          |  |         |               | —       |                 | ::لــــــا | · L  |       | ,50        |            |          |          | 1        |          |          |          |          |          |